

E.W. Howell Co., LLC

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REQUEST FOR INFORMATION

No. 00035

TITLE: Underground Piping

DATE: 12/15/2009

PROJECT: BNL CCWF-II

JOB:

TO: Attn: Alan Raphael
Brookhaven National Laboratory
Brookhaven Sciences Associates, LLC
Project Modernization Office
Upton, NY 11973-5000
Phone: 631-344-5854

STARTED:

COMPLETED:

REQUIRED: 12/22/2009

WORK

IMPACT: Unknown

SCHEDULE

IMPACT: Unknown

COST

IMPACT: Unknown

QUESTION:

December 15, 2009
Underground Piping

1. Please confirm that the piping from the flange at the top of the riser from the underground CWS piping is black steel up to the control valves.
2. As the piping from the control valves to the tower and basin is subjected to very little pressure, we request the use of schedule 10 stainless steel with Victaulic fittings and couplings.
3. 20" Victaulic couplings are not readily available in stainless steel. Can we substitute style 77 couplings for the drops into the basins?

CC: Bill Harrison, File

ANSWER:

1. Yes, the piping from the flange at the top of the riser from the underground CI CWS piping is BCS SCH 40 up to the control valves.
2. The 14" by-pass pipe from the control valve to the basin shown on drawing MP-301, Section 301C, as 304 SST SCH 40 may be installed as welded 304 SST SCH 10. The BCS SCH 40 piping from the control valve to the tower may be installed as welded 304 SST SCH 10. A mechanical grooved coupling is to be used only at the tower connection as noted on drawing MP-604. Piping shall not be supported from the cooling tower per BAC shop drawing BAC-CD0C000100 Note 1.
3. The 20" drops into the basin are to be welded as shown on drawing MP-301, Section 301C.
4. The design intent is to use welded connections in order to minimize the number of pipe supports required given the weight of water filled pipe and reaction forces at elbows due to water flow.

W. Harrison, Giffels/IBI Group

12-27-09

Requested By: E.W. Howell Co., LLC

Date: _____

Signed: _____
Lauren Bergin